

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled).

Claim 14 (Currently Amended): An information storage medium configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, said data including control information and video object data, the information storage medium comprising:

a data area configured to store:

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size; and

a control information recording area configured to store said control information, the control information being configured to manage the video object data and including an AV file information table having a first area configured to store object stream information, and a second area configured to store AV file information configured to manage the video object data, the AV file information including a plurality of object information[[,]] and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address corresponds to the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,

each said object information includes time map information including time map general information, one or more time entries, and one or more object unit entries, and

each object unit entry includes size information of a first reference picture of a corresponding object unit of the video object data,

wherein the recording/reproducing apparatus employs the control information to manage the video object data.

Claim 15 (Currently Amended): An information recording method for recording information on an information storage medium including:

a data area configured to store:

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first area configured to store object stream information, and a second area configured to store AV file information configured to manage the video object data, the AV file information including a plurality of object information[[,]] and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address corresponds to the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,

each said object information includes time map information including time map general information, one or more time entries, and one or more object unit entries, and

each object unit entry includes size information of a first reference picture of a corresponding object unit of the video object data,

the information recording method comprising:
recording the video object data into the data area; and
recording the control information, including the plurality of object information, into the control information recording area.

Claim 16 (Currently Amended): An information reproducing method for reproducing information recorded on an information storage medium that includes,

a data area including:

a plurality of error correction code blocks including the video object data, said video object data being configured to be recorded in at least one of the object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first area including object stream information, and a second area including AV file information configured to manage the video object data, the AV file information including a plurality of object information[[],] and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address corresponds to the predetermined number of said sectors, said video object data being allocated with an integral multiple of said predetermined number of said sectors,

each said object information includes time map information including time map general information, one or more time entries, and one or more object unit entries, and

each object unit entry includes size information of a first reference picture of a corresponding object unit of the video object data,

the information reproducing method comprising:
reproducing the video object data from the data area; and
reproducing the control information, including the plurality of object information,
from the control information recording area.

Claim 17 (Currently Amended): An information reproducing apparatus for
reproducing information recorded on an information storage medium that includes
a data area including:

a plurality of error correction code blocks including the video object data, said
video object data being configured to be recorded in at least one of the object units,
wherein a predetermined number of sectors form each error correction code block,
and each of said sectors has a predetermined size, and
a control information recording area including control information for managing the
video object data, the control information including an AV file information table having a
first area including object stream information, and a second area including AV file
information configured to manage the video object data, the AV file information including a
plurality of object information[[,]] and a plurality of object information search pointers
associated with the plurality of object information, wherein:

an error correction code block address corresponds to the predetermined number of
said sectors, said video object data being allocated with an integral multiple of said
predetermined number of said sectors,

each said object information includes time map information including time map
general information, one or more time entries, and one or more object unit entries, and

each object unit entry includes size information of a first reference picture of a
corresponding ~~data~~ object unit of the video object data,

the information reproducing apparatus comprising:

a first reproducer configured to reproduce the video object data from the data area;

and

a second reproducer configured to reproduce the control information, including the plurality of object information, from the control information recording area.

Claim 18 (Previously Presented). The medium of Claim 14, wherein said video object data is configured to be stored in units of an extent specified by a logical block number corresponding to a sector.